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(71) Applicant: **FUJITSU LIMITED**
Kawasaki-shi,
Kanagawa 211-8588 (JP)

(72) Inventors:
• **Ninomiya, Teruhisa**
c/o Fujitsu Limited
Kawasaki-shi, Kanagawa 211-8588 (JP)

• **Okubo, Naofumi**
c/o Fujitsu Limited
Kawasaki-shi, Kanagawa 211-8588 (JP)

(74) Representative: **HOFFMANN EITLE**
Patent- und Rechtsanwälte
Arabellastrasse 4
81925 München (DE)

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(54) **Monopulse radar apparatus**

(57) A monopulse radar apparatus has a single front end (53) shared by a pair of antennas (51₁, 51₂), a first switch (52) for cyclically connecting the antennas to the front end (53) at a prescribed switching frequency, and a second switch (54) for cyclically connecting the output of the front end to frequency converters (57₁, 51₂) corresponding to the antennas. The frequency converters frequency-convert intermediate-frequency signals of the respective antennas output by the front end to baseband

signals at the switching frequency wherein the arrival direction of a reflected signals is estimated by comprising phases or amplitudes of output signals from said frequency converters.

In a second embodiment, the second switch and frequency converters are replaced by a pair of A/D converters acting in synchronism with the antenna selected by the first switch.

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FIG. 15

